

# Nihal T

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## Professional Summary

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Full Stack Web Developer specializing in **Python (Django), Django REST Framework, and React.js**. Experienced in building scalable web applications, Built multiple production-ready projects including learning management and event management systems. **Active open-source contributor**

## Technical Skills

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**Languages:** Python, JavaScript, Java , C++ , C

**Frontend:** React.js, Redux Toolkit, HTML5, CSS3, SCSS, Tailwind CSS, Axios, Styled Components

**Backend:** Django, Django REST Framework, REST APIs, Authentication, Role-Based Access Control, Django ORM

**Caching & Databases:** PostgreSQL, MySQL, Redis

**Tools and Platforms:** Git, GitHub, Docker, Postman, Swagger/OpenAPI, VS Code, npm

**Concepts:** API Rate Limiting, Redis Caching ,Authentication & Authorization,Unit Testing, REST API Design, CRUD Operations, Database Query Optimization, Caching, State Management, Responsive Web Design, API Documentation

## Open Source Contributions

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### Kerala Toddy Finder, KERALACODERSCAFE

GitHub Contributors

*React.js, Django REST Framework, PostgreSQL*

- Contributed full-stack features to an open-source platform using Next.js and Django REST Framework.
- Implemented Kerala map navigation, Explore page enhancements, and responsive UI improvements.
- Developed User Profile CRUD APIs and Favorite Shops functionality with Django models, serializers, REST API endpoints, permissions, and personalized favorite status indicators.
- Improved query performance using `select_related` and integrated backend data with reusable frontend components.

## Projects

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### E-Learning Platform

GitHub

*React.js, Django REST Framework, PostgreSQL, Razorpay, JWT, Swagger/OpenAPI*

- Built a full-stack Learning Management System using React.js, Django REST Framework, and PostgreSQL with dedicated Student, Instructor, and Admin portals.
- Developed 80+ REST APIs covering authentication, course management, assignments, quizzes, certificates, payments, chat, and community features.
- Implemented JWT authentication, OTP email verification, password reset, protected routes, and role-based access control (RBAC).
- Optimized backend performance using Django ORM, `select_related`, `pagination`, `and reusable serializers`, `while documenting API`

### Arts Management System

GitHub

*React.js, Django REST Framework, PostgreSQL, Redis*

- Developed a full-stack college arts festival management platform using React.js, Django REST Framework, PostgreSQL, and Redis with role-based dashboards for Admin, Principal, Teacher, Judge, and Student users.
- Implemented JWT authentication, RBAC, token refresh, API rate limiting, and secure authorization workflows.
- Improved leaderboard and result API performance through Redis caching, reducing database load and response latency.
- Built score management, result publishing, participation tracking, schedule management, media uploads, and API documentation using Swagger/ReDoc.

## Education

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### Bachelor of Computer Applications (BCA), Kannur University

2023–2026

WMO Imam Gazzali Arts and Science College, Wayanad, India

CGPA/OGPA: 7.2/10 | First Class | 72.27%